# Wireshark Cheat Sheet

wiresnark Cheat Sheet						
Default columns in a packet capture output						
	No. Frame number from t	the begining of the packet capture				
Source ( Destination (	STC) Source address, completely Destination adress	monly an IPv4, IPv6 or Ethernet address				
	col Protocol used in the gth Length of the frame i	Ethernet frame, IP packet, or TC segment n bytes				
Logical operators						
Operator	Discription	Example				
and or &&	Logical AND	All the conditions should match				
or or	Logical OR	Either all or one of the condtions should match				
xor or ^^	Logical XOR	Exclusive alterations - only one of the two conditions should match not both				
not ot!	Not (Negation)	Not equal to				
[n][]	Substring operator	Filter a specific word or text				
	Filtering packets (Display Filters)					
Operator	Discription	Example				
eq or ==	Equal	ip.dest == 192.168.1.1				
ne or !=	Not equal	ip.dest != 192.168.1.1				

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Operator	Discription	Example		
eq or ==	Equal	ip.dest == 192.168.1.1		
ne or !=	Not equal	ip.dest != 192.168.1.1		
gt or >	Greater than	frame.len > 10		
it or <	less than	frame.len < 10		
ge or >=	Greater than or equal	frame.len >= 10		
le or <=	Less than or equal	frame.len <= 10		
Filhou turnos				

#### Filter types

Capture filter Filter packets during capture Display filter Hide packets from a capture display

	Wireshark Capturing Modes
Promiscuous	Sets interface to capture all packets
mode	on a network segment to which it is associa
Monitor	Setup the wirless interface to capture

ated to all traffic it can receive (Unix/Linux only)

Miscellaneous				
Slice Operator	[ ] - Range of values			
Membership Operator	{} - In			
CTRL+E	Start/Stop Capturing			

C	apture	Filter	Syntax

Syntax	protocol	Direction	hosts	value	Logical operator	Expressions
Example	tcp	src	192.168.1.1	80	and	tcp dst 202.164.30.1

### **Display Filter Syntax**

Syntax	protocol	String 1	String 2	CompariSon Operator	Value	Logical Operator	Expressions
Example	http	dest	ip	==	192.168.1.1	and	tcp port

## Keyboard Shortcuts - main display window

Accelerator	Description	Accelerator	Description
Tab or Shift+Tab	Move between screen elements, e.g. from the toolbars to the packet list to the packet detail.	Alt+→ or Optio →	Move to the next packet in the selection history.
	Move to the next packet or detail item.	<b>→</b>	In the packet detail, opens the selected tree item.
	Move to the previous packet or detail item.	Shift+ <del></del> →	In the packet detail, opens the selected tree items and all of its subtrees.
Ctrl+ or F8	Move to the next packet, even if the packet list isn't focused.	Ctrl+ <del></del>	In the packet detail, opens all tree items.
Ctrl+ Or F7	Move to the previous packet, even if the packet list isn't focused.	Ctrl+←	In the packet detail, closes all the tree
Ctrl+.	Move to the next packet of the conversation (TCP, UDP or IP).	Backspace	In the packet detail, jumps to the parent node.
Ctrl+,	Move to the previous packet of the conversation (TCP, UDP or IP).	Return or Enter	In the packet detail, toggles the selected tree item.

#### **Protocols - Values**

ether, fddi, ip, arp, rarp, decnet, lat, sca, moprc, mopdl, tcp and udp



# **Wireshark Cheat Sheet**

Common Filtering commands				
Usage	Filter syntax			
Wireshark Filter by IP	ip.add == 10.10.50.1			
Filter by Destination IP	ip.dest == 10.10.50.1			
Filter by Source IP	ip.src == 10.10.50.1			
Filter by IP range	ip.addr >= 10.10.50.1 and ip.addr <=10.10.50.100			
Filter by Multiple lps	ip.addr == 10.10.50.1 and ip.addr == 10.10.50.100			
Filter out IP adress	! (ip.addr == 10.10.50.1)			
Filter subnet	ip.addr == 10.10.50.1/24			
Filter by port	tcp.port == 25			
Filter by destination port	tcp.dstport == 23			
Filter by ip adress and port	ip.addr == 10.10.50.1 and Tcp.port == 25			
Filter by URL	http.host == "host name"			
Filter by time stamp	frame.time >= "June 02, 2019 18:04:00"			
Filton CVN flog	Tcp.flags.syn == 1			
Filter SYN flag	Tcp.flags.syn == 1 and tcp.flags.ack ==0			
Wireshark Beacon Filter	wlan.fc.type_subtype = 0x08			
Wireshark broadcast filter	eth.dst == ff:ff:ff:ff:ff			
Wireshark multicast filter	(eth.dst[0] & 1)			
Host name filter	ip.host = hostname			
MAC address filter	eth.addr == 00:70:f4:23:18:c4			
RST flag filter	tcp.flag.reset == 1			

Common Filtering commands						
Toolbar Icon	Toolbar Item		Description			
	Start	Capture → Start	Uses the same packet capturing options as the previous session,or uses defaults if no options were set			
	Stop	Capture → Stop	Stops currently active capture			
<u>@</u>	Restart	Capture → Restart	Restart active capture session			
•	Options	Capture → Optio	Opens "Capture Options" dialog box			
	Open	File → Open	Opens "File open" dialog box to load a capture for viewing			
	Save As	File → Save As	Save current capture file			
X	Close	File → Close	Close current capture file			
<b>3</b>	Reload	File <del>→</del> Reload	Reload current capture file			
9	Find Packet	Edit → Find Packet	Find packet based on different criteria			
<b>(-</b>	Go back	Go → Go back	Jump back in the packet history			
•	Go Forward	Go → Go Forward	Jump forward in the packet history			
	Go to Packet	Go → Go to Packet	Go to specific packet			
<b>*</b>	Go to First Packet	Go → Go to First Packe	Jump to first packet of the capture file			
<u> </u>	Go to Last Packet	Go → Go to Last Packet	Jump to last packet of the capture file			
	Auto Scroll in Live Capture	View→Auto Scroll in Live Capture	Auto scroll packet list during live capture			
	Colorize	View <del>→</del> Colorize	Colorize the packet list (or not)			
⊕ <b>(</b>	Zoom In	View <del>→</del> Zoom In	Zoom into the packet data (increase the font size)			
Q	Zoom Out	View <del>→</del> Zoom Out	Zoom out of the packet data (decrease the font size)			
(=)	Normal Size	View → Normal Size	Set zoom level back to 100%			
<b>I</b>	Resize Columns	View → Resize Columns	Resize columns, so the content fits the width			

